

IN THE DRAWINGS

Enclosed herewith is new Figure 9 and Applicants respectfully request the Examiner to accept the Figure as no new matter have been added.

IN THE SPECIFICATION

Please amend the paragraphs starting on line 29 of page 4 as follows:

FIG. 7 shows frequency and phase accumulators for Doppler frequency pre-correction; ~~and~~

FIG. 8 shows a timing pre-correction range accumulator; ~~and~~

FIG. 9 shows a method for frequency correction of Doppler effects.

Please insert a paragraph on line 5 of page 16 as follows:

FIG. 9 shows a method for frequency correction of Doppler effects in a wireless communications system comprising generating a carrier signal oscillating at a rate responsive to a Doppler compensation signal (910); generating said Doppler compensation signal based on a clock signal (920); generating said clock signal oscillating at a rate responsive to a rate input (930); and adjusting said rate input over time according to a predetermined sequence so that said Doppler compensation signal compensates for said Doppler effect (940).

IN THE CLAIMS

1. (Original) Apparatus for frequency correction in a wireless communications
- 2 system, wherein transmissions within the system experience a Doppler effect, comprising:
- 4 a first frequency synthesizer for generating a carrier signal oscillating at a rate responsive to a first input;
- 6 a counter coupled to said first input for generating a Doppler compensation signal, said counter having a clock input; and
- 8 a second frequency synthesizer coupled to said clock input for generating a clock signal oscillating at a rate responsive to a rate input;
- 10 wherein said rate input adjusts over time according to a predetermined sequence so that said Doppler compensation signal compensates for said Doppler effect.



9/9

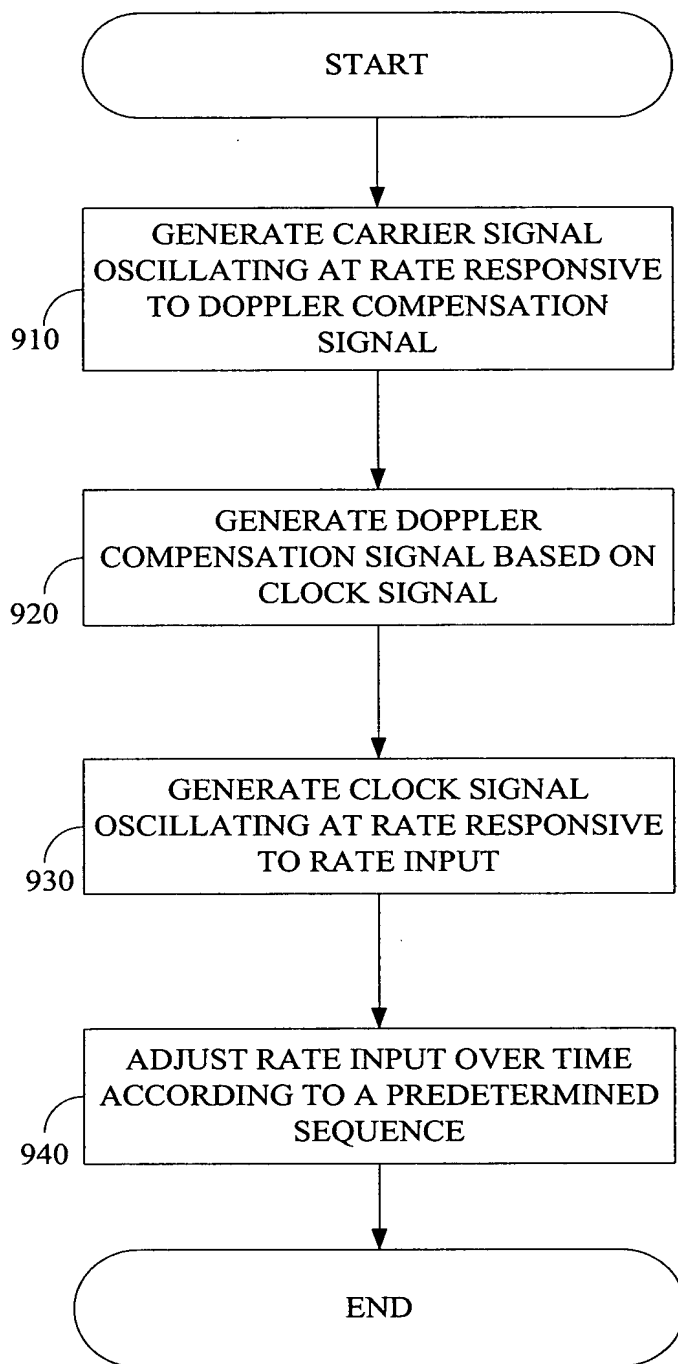


FIG. 9